AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method of fabricating a steel part, the method comprising the steps of:

preparing and casting a steel having the following composition in percentage by weight: $0.06\% \le C \le 0.25\%$; $0.5\% \le Mn \le 2\%$; traces $\le Si \le 3\%$; traces $\le Ni \le 4.5\%$; traces $\le Al \le 3\%$; traces $\le Cr \le 1.2\%$; traces $\le Mo \le 0.30\%$; traces $\le V \le 2\%$; traces $\le Cu \le 3.5\%$; and $0.005\% \le S \le 0.2\%$;

wherein the steel contains 5 ppm to 50 ppm of B, and 0.005% to 0.04% of Ti, where the Ti content is equal to at least 3.5 times the N content of the steel;

wherein the steel further contains at least one of the following elements: Ca up to 0.007%; Te up to 0.03%; Se up to 0.05%; Bi up to 0.05%; and Pb up to 0.1%, and

wherein the steel satisfies at least one of the following conditions:

- * $0.5\% \le Cu \le 3.5\%$;
- * $0.5\% \le V \le 2\%$;

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* $2\% \le Ni \le 4.5\%$ and $1\% \le Al \le 2\%$;

the remainder being iron and impurities resulting from preparation;

- · hot deforming the cast steel at least once at a temperature in the range 1100°C to 1300°C in order to obtain a blank of the part;
- · controlled cooling of the blank for the part in still air or forced air to obtain a bainite microstructure; and
- · heating the steel to perform precipitation annealing before or after machining the part from said blank,

wherein the hot deformation is forging;

wherein when the steel comprises 0.5% to 3.5% of Cu, the precipitation annealing is performed in the range of 425°C to 500°C for 1 h to 10 h, when steel comprises 0.5% to 2% of V, the precipitation annealing is performed in the range of 500°C to 600°C for more than 1 h, and when the steel comprises 2% to 4.5% of Ni and 1% to 2% of Al, the precipitation annealing is performed in the range of 500°C to 550°C for more than 1 h; and

wherein the controlled cooling of the blank is performed at a rate less than or equal to 3°C/s in the range of 600°C to 300°C,

wherein the part has a tensil strength Rm of 1000 MPa to 1300 MPa, and a yield strength Re of greater than or equal to 900 MPa, and

wherein the bainite microstructure obtained after controlled cooling of the blank is 100% bainite.

2-4. (Cancelled)

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- 5. (Previously presented) The method according to claim 1, wherein the steel further contains 0.005% to 0.06% of Nb.
- 6-7. (Cancelled)
- 8. (Previously presented) The method according to claim 1, wherein the C content of the steel lies in the range 0.06% to 0.20%.
- 9. (Previously presented) The method according to claim 8, wherein Mn content of the steel lies in the range 0.5% to 1.5%, and wherein the Cr content lies in the range 0.3% to 1.2%.
- 10. (Previously presented) The method according to claim 8, wherein the Ni content of the steel lies in the range traces to 1%.
- 11. (Previously presented) The method according to claim 8, wherein the Ni content of the steel lies in the range 2% to 4.5%, and wherein the Al content lies in the range 1% to 2%.
- 12-18. (Cancelled)
- 19. (Original) A steel part, obtained by the method according to claim 1.
- 20-21. (Cancelled)
- 22. (New) The method according to claim 1, wherein the conditions regarding V, Ni and Al are not satisfied, and therefore the steel comprises 0.5% to 3.5% Cu, and the precipitation annealing is performed in the range of 425°C to 500°C for 1 h to 10 h.
- 23. (New) The method according to claim 1, wherein the conditions regarding Cu, Ni and Al are not satisfied, and therefore the steel comprises 0.5% to 2% V, and the precipitation annealing is performed in the range of 500°C to 600°C for more than 1 hr.

24. (New) The method according to claim 1, wherein the conditions regarding Cu and V are not satisfied, and therefore the steel comprises 2% to 4.5% Ni and 1% to 2% Al, and the precipitation annealing is performed in the range of 500°C to 550°C for more than 1 hr.

45